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**SMART SAFETY DEVICE FOR A BATTERY OF A
VEHICLE.**

ABSTRACT:

The invention relates to a smart safety device appearing as a box (3) including mounting means on at least one electric circuit. The box includes:

- at least one sensor (4) for measuring a current flowing on an electric circuit of the network,
- a computing and control unit (6) including:
 - means (7) for acquiring current measurements taken by the current sensor (4),
 - computing means (11) which, depending on current measurements and on determined operating criteria for the electric network, determine the abnormal or normal operating state of at least one piece of electric equipment,
- and at least one disconnecting system (15) controlled by the computing and control unit (6) in order to disconnect at least the electric circuit including a piece of electric equipment which is considered to be in an abnormal operating state by said unit.

(Figure to be published: **Single Fig.**)